

Abstract of the Disclosure

A motion estimation apparatus is provided. The motion estimation apparatus includes a demultiplexer which receives a selection flag from a user and current image data, and selectively outputs the current image data using one output terminal  
5 selected from a plurality of output terminals by the selection flag, a motion estimator which performs a motion estimation operation on the current image data using one motion estimation algorithm selected from a plurality of motion estimation algorithms depending on the output of the demultiplexer, and outputs a motion vector, and a multiplexer which receives the selection flag and outputs the motion vector in  
10 response to the selection flag.